

**OPERATING PERMIT FOR FACILITIES
RECEIVING SOLID WASTE**

TYPE OF FACILITY

FACILITY/PERMIT NUMBER

TRANSFER STATION

15-AA-0304

NAME AND STREET ADDRESS OF FACILITY

ENVIROCYCLE, INC.
SOLIDS TRANSFER AND PROCESSING PLANT
S $\frac{1}{4}$ OF THE SE $\frac{1}{4}$ OF SEC. 32 TR 29S
R 22E, MDB & M KERN COUNTY

NAME AND MAILING ADDRESS OF OPERATOR

JOHN E. WEBB
P. O. BOX 5455
BAKERSFIELD, CA 93388

PERMITTING ENFORCEMENT AGENCY

KERN COUNTY ENVIRONMENTAL HEALTH

CITY/COUNTY

BAKERSFIELD / KERN

PERMIT

This permit is granted solely to the operator named above, and is not transferrable.

Upon a change of operator, this permit is subject to revocation.

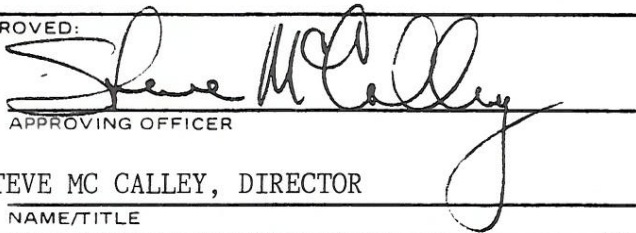
Upon a significant change in design or operation from that described by the Plan of Operation or the Report of Station or Disposal Site Information, this permit is subject to revocation, suspension, or modification.

This permit does not authorize the operation of any facility contrary to the State Minimum Standards for Solid Waste Handling and Disposal.

This permit cannot be considered as permission to violate existing laws, ordinances, regulations, or statutes of other government agencies.

The attached permit findings, conditions, prohibitions, and requirements are by this reference incorporated herein and made a part of this permit.

APPROVED:


APPROVING OFFICER
STEVE MC CALLEY, DIRECTOR
NAME/TITLE

AGENCY ADDRESS

2700 "M" STREET SUITE 300
BAKERSFIELD, CA 93301

AGENCY USE/COMMENTS

Permit Surrendered
12/3/95 ?

SEAL

PERMIT RECEIVED BY CWMB

MAR 06 1992

CWMB CONCURRENCE DATE

MAR 04 1992

PERMIT REVIEW DUE DATE

9. April 1997

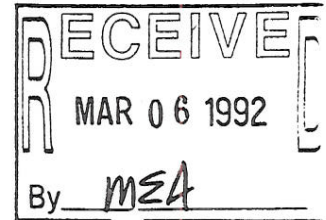
PERMIT ISSUED DATE

9. April 1992

ENVIROCYCLE, INC., SOLIDS TRANSFER AND PROCESSING PLANT

SOLID WASTE FACILITIES PERMIT

S.W.I.S. NO. 15-AA-0304



FINDINGS

1. Description of Station Design and Operation:

A. Name of Facility: Envirocycle, (ECI) Inc., Solids Transfer and Processing Plant
Property Owner: Geneva Jones
Operator: John E. Webb

B. The facility is located on approximately 20 acres, 4.0 miles north of McKittrick, on the S/2 of the SE/4 of the SW/4 of Section 32, T29S, R22E, MDB&M, County of Kern, State of California.

Plot plans, location maps, and a site legal description are included in the Report of Station Information (RSI) dated January 28, 1991.

Envirocycle, Inc., is a California Corporation established to address nonhazardous oilfield wastes.

C. The station includes the following features:

1. Office trailer
2. Unlined portable covered cement cells
3. Truck scale with radiological monitor
4. Paved access road
5. 2-foot-perimeter berm
6. Chemical toilet
7. Chain link fence

D. Waste Types

- 1) This facility is permitted to accept and process and recycle the following types of oilfield-related nonhazardous waste:
 - a. Water-based drilling muds and cuttings.
 - b. Mineral oil-based drilling mud and cuttings.
 - c. Oilfield tank and pit bottoms sediments.
 - d. Oilfield and hydrocarbon contaminated soils.
- 2) Waste types for Phases II and III will be permitted at a later date pursuant to requirements relating to "findings of significant change" and future update requirements outlined in the "Solid Waste Permit Desk Manual".

E. Waste Quantities

Permitted Daily Capacity:

- 1) 550 tons per day of solid and liquid waste processed.

F. Method of Operation

The operation of this facility involves three phases, that which is currently proposed in Phase I and that which will be proposed for future expansion in Phases II and III.

Phase I: Phase I operations involve the salvage of select nonhazardous waste streams as specified in Finding D. Processes at the facility for Phase I will include loading, unloading, mixing, recycling, and some crushing.

ECI will ensure that all material arriving on-site is properly manifested either with ECI's Nonhazardous Waste Manifest or the individual transporter's manifest.

After verifying each transporter's manifest, incoming waste is weighed, sampled, and logged into the computer data system. Waste material is then placed into designated transfer cells for that particular project (i.e., a well being drilled or oily soil from a tank or sump removal). The number of cells used is determined by the size of each individual project and is identified by boundary markings. Since each cell contains waste material specific to a particular project, mixing of individual cells does not occur until physical and hazard characteristics can be determined pursuant to EPA Standard Statistical Monitoring Requirements. In most cases, waste streams are tested to determine if they are nonhazardous prior to arriving on-site. Excepted are waste streams with known characterization profiles, such as drill cuttings in a field that produces consistent analytical data.

Representative samples are analyzed for sand, silt, and clay (ASTM 205) composition. Based on the analysis, it may be determined that additional aggregate or other suitable material must be added to yield a reusable material. In most cases, the mixing into a reusable product takes place at the designated end-use location off-site the STPP. Mixing of the raw material itself may occur on-site to ensure consistency between cells. This mixing will take place on the location designated as the mixing pad. However, it is not the intent to add other materials to the raw material and produce a combined product on-site prior to transport. ECI estimates that one to two cells (711-1422 tons/355-710 cubic yards) may be located on the mixing pad at any one time.

All material ready for transport and reuse will utilize the nonhazardous waste manifest for all outgoing loads of material indicating their final destination. Usable products may include fill, noncommercial road base, well pad construction, and other earth construction activities. A record is kept of all reuse locations and the amount of material transported and is available for audit by customers and regulating agencies.

Sources of aggregate may be obtained through commercial vendors; other suitable material used as aggregate may include crushed glass, used asphalt, or used concrete. Sources of this material are presently being identified.

Phases II and III Operations: Phases II and III operations will include use of soil amendment material (agricultural, yard waste, etc.) into reusable products. Processes at the facility for Phase II will include loading, unloading, mixing, and recycling and may include compacting, shredding, and salvaging. Plans for operation of Phase II and III will be submitted at a later date pursuant to requirements relating to "findings of significant change" and future update requirements outlined in the CWMB's "Solid Waste Permit Desk Manual".

G. Hazardous Waste Screening/Load Check Programs

Incoming waste materials are accompanied by shipping manifest and generator-certified as non-hazardous. Waste delivery is restricted to pre-approved wastes from generators who have received the operator's permission to utilize Envirocycle Solids Transfer and Processing Plant. Waste receipt or rejection follows generator pre-approval criteria, on-site analysis, and data assessment. Each incoming load is monitored for pH and radiation upon receipt. Site sentry verifies generator pre-approval for each load, including signed document certifying waste as nonhazardous. Site sentry also records name of the driver, generator, and truck number in the Daily Log of Operations, with pertinent weight/volume and waste type data. Information regarding rejected loads is entered into the daily log, and the shipper is notified of appropriate options for return and/or disposal of the materials. Incidents of hazardous materials release or threatened release creating a substantial probability of harm are immediately reported to the LEA and the State Department of Emergency Services.

H. Operating Days, Hours.

Hours of waste processing are 24 hours per day, 7 days per week. Receipt of waste is permitted on a 24-hour basis.

2. The Following Documents Condition the Design and Operation of this Facility:

- A. Report of Station Information (RSI) dated January, 28, 1991.
 - B. CEQA: Mitigated Negative Declaration, SCH No. 89020082, October 13, 1989. Recirculated and adopted by the Kern County Board of Supervisors, January 23, 1992.
 - C. Conditional Use Permit (CUP): Case No. 2, Map 97, Resolution No. 89-936, December 11, 1989.
 - D. Conditional Use Permit (CUP): Amendment Case No. 3, Map No. 97, January 23, 1992.
 - E. Kern County Solid Waste Management Plan (CoSWMP), Amendment No. 2, 1988 Revision, March 30, 1990.
 - F. Mitigation Monitoring Implementation Schedule (MMIS), attached as Appendix A to this Permit.
 - G. Endangered Species Monitoring Permit California Fish and Game, June 1991.
 - H. Authority to Construct A.T.C., Kern County Air Pollution Control District, issued May 16, 1991.
3. A. By resolution of the Board of Supervisors, all solid waste facilities within Kern County shall be referenced in the CoSWMP.
- This permit is consistent with the CoSWMP dated November, 1988, by Amendment No. 4, October 16, 1990.
- B. This permit is consistent with standards adopted by the California Integrated Waste Management Board (CIWMB).
 - C. The Kern County Department of Planning and Development Services has determined this facility to be consistent with the General Plan, pursuant to Public Resources Code Section 50000.5(a).

4. Facility design and operations are in compliance with State Minimum Standards for Solid Waste Handling and Disposal.
5. The Kern County Fire Department has approved the plans for design and operation of this facility, pursuant to Public Resources Code Section 44151.
6. This facility is compatible with the surrounding land use plan as determined by the Kern County Department of Planning and Development Services and as certified by the Kern County Board of Supervisors.
7. The facility is in compliance with the California Environmental Quality Act of 1970 (CEQA), the State CEQA Guidelines, and the Kern County Guidelines for Implementation of CEQA and State CEQA Guidelines. A "Mitigated Negative Declaration" with monitoring plans was certified October 13, 1989.

CONDITIONS

1. Requirements:

- A. This facility shall comply with the State Minimum Standards for Solid Waste Handling and Disposal.
- B. This facility shall comply with all applicable federal, state, and local requirements and enactments, including all mitigation measures established pursuant to the Public Resources Code, Section 21081.6. The MMIS is part of this permit and is attached as Appendix A, summarizing all monitoring provisions.
- C. Additional information concerning the design and operation of this facility shall be furnished upon request. Site access shall be granted for purposes of inspection, without prior notification, to the LEA and other agencies conditioning this permit.
- D. The operator shall be responsible for proper handling of all wastes accepted and for the release for use or disposal of all wastes and recycled products at the facility. State-certified laboratories shall be used to characterize and screen waste streams from all generators to determine contaminant loads and compliance levels before accepting any waste.
- E. The permittee shall be responsible for ensuring that each waste shipment originates from a pre-approved generator and that the waste consistently maintains the physical and chemical characteristics for which it was approved, or the waste is determined by analysis and testing to be nonhazardous according to the criteria specified in CCR, Title 22, Chapter 11. The permittee shall recertify each generator and shall retest the generator's waste at least annually according to the procedures specified in Appendix A, Monitoring and Reporting, Summary A3.
- F. If the waste is determined to be hazardous after it has been accepted by the permittee, and unless the waste generator is identified and the waste is returned, the permittee shall become the hazardous waste generator and shall manage the waste according to laws and regulations enforced by the Department of Toxics and Substance Control or the United States Environmental Protection Agency.
- G. Prior to shipment of treated waste to any County landfill, approval shall be obtained from the LEA.
- H. The operator shall comply with all measures contained in the Endangered Species Monitoring Permit, California Fish and Game, June 1991.

- I. The operator shall Install a 10,000-gallon water storage tank for fire suppression. Such tank shall have a 2 1/2-inch valved male fire hose coupling, tank level indicator, and be labeled "Fire Water Storage." Driving access shall be provided to tank and connection.
- J. Waste processed through this facility shall contain no more than 0.5 percent by weight VOC's (Rule 210.1).

2. Prohibitions:

This facility shall not accept the following wastes:

- A. Wastes which are not specifically referenced in the Findings Section of this Permit.
- B. Oilfield waste containing additives prohibited by DHS.
- C. Hazardous wastes.
- D. Biohazardous and medical wastes.
- E. Asbestos-containing materials (ACM's).
- F. Radioactive materials requiring state or federal license and regulation.
- G. Sewage treatment wastes.

Unacceptable activities at the site include:

- A. Scavenging.
- B. Burning of wastes.
- C. On-site disposal of wastes.
- D. Eating and smoking within waste processing, loading, and storage areas.
- E. Discharge of untreated wastes or recycled material to any site not legally permitted to receive such wastes and/or materials.
- F. Discharge of waste, leachate, or oil-contaminated material to surface waters or surface water drainage courses, or groundwater.
- G. Off-site discharge of dust or odors sufficient to constitute a health hazard or public nuisance.
- H. Off-site migration of waste, litter, or leachate.
- I. Vector propagation and harborage.

3. Specifications

- A. The Local Enforcement Agency (LEA), through this Solid Waste Facilities Permit, may prohibit or condition the handling of waste or processed material to protect the public health and safety or to mitigate adverse environmental impacts.
- B. Any change that would cause the design or operation of this Station to not conform with the terms and conditions of this permit is prohibited. Any significant change that may be proposed for this facility shall require submission of an amended Report of Station Information and application of a Revised Solid Waste Facilities Permit to the LEA.
- C. A change in operator of this Station will require application for a revised permit.
- D. The station has a permitted processing maximum capacity of up to 550 tons per operating day. The station has a maximum receipt capacity of 200,750 tons per year for solid wastes. The station shall not receive or process more than these amounts without first obtaining a revision of the permit.
- E. Certification from a pre-approved generator shall accompany each waste shipment and shall be signed by the generator and shall state the following:

"I certify that I have personally examined and am familiar with the waste through analysis and testing to support this certification that the waste is nonhazardous according to the criteria specified in the California Code of Regulations, Title 22, Chapter 11. I believe that the information I submitted is true, accurate, and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of a fine and imprisonment."
- F. In the event of unforeseen or accidental release of hazardous waste, handling operations shall comply with Title 22, California Code of Regulations, Division 4.5.
- G. The site shall be lighted to provide security and safety during hours of waste receipt.
- H. The buildings and vehicles at the site shall be provided with fire protection equipment as required by the County of Kern Fire Marshall. Stationary structures shall be adequately ventilated to prevent harmful accumulations of gases, dusts, or vapors.
- I. Emergency eyewash, handwash, showers, and first aid provisions shall be readily accessible to Station employees.
- J. Station employees shall be provided with adequate changing, toilet, and handwash facilities. Bottled drinking water shall be provided in designated areas. Nonpotable water distribution lines and hose bibbs shall be labeled to prevent ingestion or cross-connection. Underground water distribution lines shall be maintained a minimum of 25 feet from waste acceptance or processing areas.
- K. Access to processing and storage areas shall be defined and marked with limit lines and appropriate signs.
- L. All equipment, processing, and receiving areas shall be provided with adequate, properly maintained and situated, railings, curbs, backup barriers, grates, fences, and safety devices. Mechanical blocking devices shall be provided to prevent accidental start-up of equipment undergoing maintenance.
- M. Telephones shall be located at the Station with emergency contact names and numbers prominently posted.

- N. Supervisory personnel shall complete an OSHA-approved, 24-hour, hazardous Materials Awareness and Safety Course. Workers in receipt and processing areas shall be trained in hazardous waste recognition and emergency communication. Site personnel shall also receive adequate training in operations, maintenance, and safety.
- O. Incoming open loads (end dumps) shall be covered or otherwise secured to prevent wastes from falling or blowing off during transport. The operator shall post these requirements as conditions of site access, log vehicles in noncompliance, and prohibit site use for repeated offenses.
- P. Water trucks shall be used to maintain access roads and unpaved work areas in a damp condition. Trucks hauling finished products shall be loaded in a manner to prevent overfill and spillage on haul roads. Roads and work areas shall be constructed and maintained to promote adequate drainage and prevent standing water.
- Q. Application of pesticides, rodenticides, or herbicides shall be performed by a state-licensed pest control operator and in compliance with wildlife protective measures of the State of California Department of Fish and Game (CDFG) and the United States Department of the Interior, Fish and Wildlife Service (FWS).
- R. The operator shall be responsible for on-site occupational health and safety regulatory compliance, pursuant to the guidelines established by the Occupational Safety and Health Administration (OSHA) and Cal-OSHA, for all facility employees, waste transport personnel, and visitors.
- S. Safety equipment shall be provided for all employees in receipt, processing, and shipping areas, as required by Cal-OSHA and Federal OSHA standards. Safety equipment may include, but not be limited to:
 - 1) Dust masks
 - 2) Safety helmets in designated areas
 - 3) Steel-toed, steel-shanked work shoes
 - 4) Work gloves
 - 5) Ear protection
 - 6) Eye protection
 - 7) Reflective and high-visibility clothing
- T. The operator shall ensure that appropriate safety equipment is worn or used by Station employees.
- U. The operator shall maintain an emergency procedures manual on site, kept current with the following information:
 - 1) Emergency telephone list
 - 2) Action guides in check list format
 - 3) Resources and equipment list
 - 4) Response plans
 - 5) Coordination plans

4. Provisions

- A. This permit is subject to regular review by the LEA and may be modified, suspended, or revoked for sufficient cause after a hearing.

- B. The Local Enforcement Agency shall review the permit whenever there has been an unauthorized release of hazardous material.
 - C. The operator shall have the right of refusal of any material which is not considered suitable for processing because of economics or the inability to be processed.
 - D. Material stockpiled on site shall be stored in a manner to prevent nuisance, odor, or dust problems. All incoming wastes shall be processed and the final product removed within time frames described in the Report of Station Information. A maximum period of 90 days shall be established for turnover of processed materials.
 - E. Prior to waste receipt, a Waste Characterization Program approved by the LEA and CIWMB shall be obtained for all wastes. The program shall include the following:
 - 1) A Bioassay according to CCR, Title 22, Section 66696;
 - 2) An Ignitability according to CCR, Title 22, Section 66702.
 - 3) Heavy Metals
 - 4) Total Petroleum Hydrocarbons - diesel, gasoline, oil/grease
 - 5) Radiological Monitoring
5. Self-Monitoring
- A. The following items shall be monitored by the operator of this facility.
 - 1) Daily log of waste receipt including weights and/or volumes of waste types, number and type of vehicles, generators of wastes, submitted to the LEA monthly.
 - 2) Daily log of special occurrences including inappropriate waste receipt, injuries, explosions, fires, spills, earthquakes, closures, emergency remediation, submitted to the LEA monthly.
 - 3) Vector, noise, and litter control measures.
 - 4) Results of the operator's load check and hazardous waste screening programs, submitted to the LEA monthly.
 - 5) Compliance with emissions limitations specified in the Air Pollution Control Permits (APCs).

APPENDIX A

MITIGATION MONITORING IMPLEMENTATION SCHEDULES

The following summarizes key monitoring and reporting requirements for this operation. Those items identified as "Permit Conditions" are self-monitoring requirements of the operator, to be verified by inspections performed by the LEA. Monitoring items from the Mitigated Negative Declaration are annotated "CEQA"; concerns of California Regional Water Quality Control Board (RWQCB) are identified "WDR." Monitoring and compliance schedules established by the conditional use permits, are identified "CUP" and require self-monitoring, with reports to the Kern County Department of Planning and Developmental Services. Annual inspection requirements with the local and state fire preventative regulations reference the Kern County Fire Department. The Kern County Air Pollution Control District issued an Authority to Construct Permits; the requirements for the ATC are noted and referenced "APCD."

MONITORING AND REPORTING SUMMARY

1. Prior to Development and Initial Receipt

- A. Solid Waste Facilities Permit issued by Kern County; copy submitted to Kern County Department of Planning and Development Services (CEQA).
- B. LEA and CIWMB approval of the Waste Characterization program for all wastes. The program shall include the following:
 - 1) A bioassay according to CCR, Title 22, Section 66696
 - 2) An ignitability according to CCR, Title 22, Section 66702
 - 3) Heavy Metals
 - 4) Total Petroleum Hydrocarbons - diesel, gasoline, oil/grease
 - 5) Radiological Monitoring

Sampling by EnviroCycle shall be in conformance with the California Code of Regulations, Title 22, Section 66694. Test results and Envirocycle's written approval or denial of each waste must be submitted to the CIWMB and the LEA as new wastes are identified and tested.

- C. Operator shall acquire all necessary grading and building permits (CEQA).
- D. Operator shall submit plan for control of fugitive dust for APCD review and approval, and submit two copies of the approved plan to the Kern County Department of Planning and Development Services. Operator shall acquire APCD ATC permit (CEQA).
- E. Initial biota report prepared, submitted, and approved per Permit; mitigation shall be completed prior to commencement of site construction (CEQA).
- F. Archeological impact assessment prepared, submitted, and approved per Permit (CEQA, Permit Conditions).

2. Beginning with Initial Waste Receipt

A. Daily Monitoring

1) Operations Log

- a. Sources, weight/volume, waste type, generator and hauler of all wastes received (Permit Conditions, APCD)

- b. Volume/methods utilized for treatment of waste types (Permit Conditions, APCD)
- c. Final disposition of processed wastes, with weight/volume per site of disposition (Permit conditions)
- d. Signature of each shift superintendent, indicating hours of direct supervision (Permit Conditions)
- e. Re-agent and other treatment chemicals used (APCD)

2) Log of Special Occurrences (CEQA, Permit Conditions)

- a. Rejected loads, with generator, waste type, amount, and proposed disposition/destination of load (disposal, or return to generator)
- b. Accidents, with or without injuries, with person(s) involved, nature of occurrence, result
- c. Spills, including all unauthorized or otherwise improper waste, reagent, or product release
- d. Receipt and acceptance of wastes in a manner other than as stipulated within Permit, with interim holding provisions and final disposition of wastes
- e. Occurrence of extreme adverse weather conditions.

3) Hazardous Waste Screening/Load Check Program

- a. Number and description of loads randomly or selectively checked, with waste characterization and results (processing, disposal, or load rejection). Lack of load checks during any 24-hour period shall also be indicated on daily log (CEQA, Permit Conditions).

4) Processing/Recycling Operations.

- a. Types of material, weights/volumes logged daily (Permit Conditions, APCD).
- b. Verify and record compliance with daily emissions levels in the ATC (APCD).

B. Monthly

1) Results and summaries of the following

- a. daily log of waste receipt
- b. daily log of special occurrences
- c. load check and hazardous waste screening programs

C. Annually

Maintain compliance with local, state, and federal fire codes (Permit Conditions, APCD).

3. Change in Operations or Facility Design

- A. Immediate notification of LEA of any changes in site or operations that could impair environmental protective measures (Permit Conditions)
- B. Immediately notify any new owner/operator of all existing permits, orders, requirements, and liabilities associated with this facility operation (Permit Conditions)
- C. Notify LEA 120 days prior to proposed facility changes (Permit Conditions)
- D. Prior to closure of site (Envirocycle Solids Transfer and Processing Plant), submit Closure Plan to LEA and Kern County Planning and Developmental Services

AUG 27 1992

California Integrated Waste Management Board

Permit Decision No. 92-20

March 25, 1992



WHEREAS, the Kern County Department of Environmental Health Services, acting as the Local Enforcement Agency, has submitted to the Board for its review and concurrence in, or objection to a new Solid Waste Facilities Permit for the Envirocycle Inc. Solids Transfer and Processing Plant; and

WHEREAS, Board staff has evaluated the proposed permit for consistency with the standards adopted by the Board; and

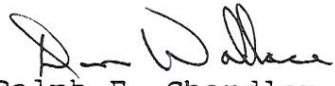
WHEREAS, the Board finds that all state and local requirements for this proposed permit have been met, including consistency with Board standards, conformance with the County Solid Waste Management Plan, consistency with the General Plan, and compliance with the California Environmental Quality Act.

NOW, THEREFORE, BE IT RESOLVED that the California Integrated Waste Management Board concurs in the issuance of Solid Waste Facilities Permit No. 15-AA-0304.

CERTIFICATION

The undersigned Executive Director of the California Integrated Waste Management Board does hereby certify that the foregoing is a full, true, and correct copy of a resolution duly and regularly adopted at a meeting of the California Integrated Waste Management Board held March 25, 1992.

Dated: 4/3/92


Ralph E. Chandler
Executive Director